

# **Adjustable Pitch Spinner for Folding Prop**

*Adjust for optimum setup and performance!*



## **Adjustable Pitch Spinners**

**PU40** - 40mm Spinner, 1.45 oz, 41 g

**PU45** - 45mm Spinner, 1.69 oz, 48 g

**PU50** - 50mm Spinner, 1.90 oz, 54 g

## **Shaft Collets**

**PUC4** - 4mm shaft collet, included

**PUC5** - 5mm shaft collet, optional

**PUC6** - 6mm shaft collet, optional

**PUC18** - 1/8" shaft collet, optional

Himax Brushless motors are manufactured to high standards for the discerning modeler. Designed for light weight, high efficiency, high torque, and durability Himax Outrunner motors are sure to make today's radio controlled models perform. Please read the entire operating manual to ensure correct functionality and best performance. The CR3516 series motor is made for small to medium size models weighing 40 to 80 ounces depending on power/weight ratio desired.

## **Introduction:**

Congratulation on your purchase of the MPI Adjustable Pitch Spinner. They are available in 40 mm, 45 mm or 50 mm diameter. The spinner hub assembly allows very fine adjustment to the pitch to optimize your power setup and flight performance. The entire assembly is machined from high quality aluminum bar stock. The unit is designed to be light but sturdy and will fit all folding prop blades with 8 mm hub and 3 mm hole. The unit includes a 4 mm collet to fit motors with a 4 mm shaft. Optional collets are available.

## **Key Features:**

- \* Machined from high quality aluminum bar stock,
- \* Lightweight robust design,
- \* Fits all blades with 8 mm hub and 3 mm hole,
- \* Laser etched adjustment indicators, this indicator is for reference only,
- \* Infinitely adjustable within set range.

## **Installation:**

- \* Install prop blades as normal, using a 2mm hex key and included screws,
- \* Select the proper collet to fit your motor shaft,
- \* Mount the hub on your motor shaft and tighten the prop nut until collet grips the shaft properly,
- \* Follow the adjustment procedures below and set the yokes to neutral point, if it is off-center
- \* Install the spinner cone with the center cap screw using a 2.5 mm hex key, do not over tighten.

## **Adjustment procedure:**

- \* **Warning! Disconnect all power leads. Do not attempt to adjust until you have read and understand below procedures.**
- \* Remove the spinner cone,
- \* Temporarily loosen the prop nut, do not remove,  
**Caution: Attempting to adjust without loosening the prop nut will damage the unit and void the warranty.**
- \* Locate the adjustment screw using a 2.5 mm hex key,
- \* Note the hub yoke positions as indicated by the Laser etched lines,
- \* Turn the adjustment screw and watch the indicators to adjust as needed,
- \* Do not force the adjustment screw. If tight loosen the prop nut a little more,
- \* When adjusted to your needs lock the adjustment by tightening the prop nut.
- \* Reinstall the spinner cone.
- \* **Test your setup using a quality watt meter such as our MX8120. The load could more than double over the adjustable range which could cause damage to the motor, ESC and/or battery.**

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## **MPI Hobby**

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